

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-169077

(43)Date of publication of application : 14.06.1994

(51)Int.Cl.

H01L 27/146
H04N 1/028

(21)Application number : 04-319555

(71)Applicant : NEC CORP

(22)Date of filing : 30.11.1992

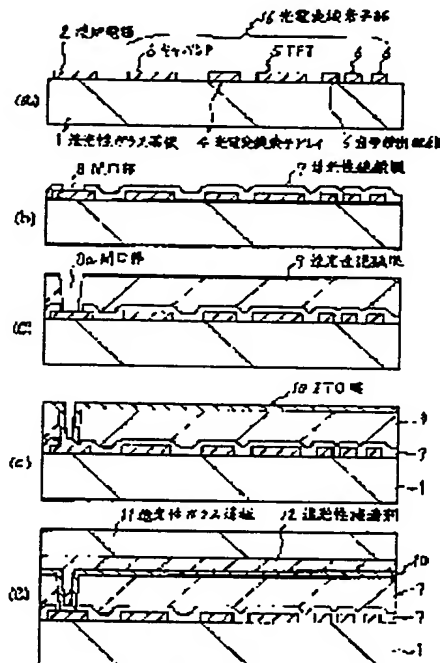
(72)Inventor : KAJIWARA YUJI

(54) CONTACT-TYPE IMAGE SENSOR AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To simplify a manufacturing method and a manufacturing process by a method wherein an ITO film is formed directly on a light transmitting insulating film on a photoelectric transducer part and, further, the ITO film is electrically connected to a grounding electrode through an aperture provided in the light transmitting insulating film.

CONSTITUTION: Light transmitting insulating films 7 and 9 are formed over the surface which includes an photoelectric transducer part 16 and a grounding electrode 2 which are formed on a light transmitting glass substrate 1 and an aperture 8a is formed. An ITO film is formed on the surface of the light transmitting insulating film 9 including the aperture 8a to ensure an electrical connection to a grounding electrode 2. After that, a light transmitting glass thin plate 11 is firmly bonded to the ITO film 10 with light transmitting adhesive 12. With this constitution, a conducting member with which an electrical connection between the transparent conducting film 10 and the grounding electrode 2 is provided is not necessary and the light transmitting glass thin plate can be applied and fixed to the flattened transparent conducting film 10 without voids in the substrate and between the layers and with a high yield.



LEGAL STATUS

[Date of request for examination] 30.11.1992

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2596295

[Date of registration] 09.01.1997

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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(19)日本国特許庁(JP)

(12) 公開特許公報(A)

(11)特許出願公開番号

特開平6-169077

(43)公開日 平成6年(1994)6月14日

(51)Int.Cl. ⁵	識別記号	庁内整理番号	FI	技術表示箇所
H 0 1 L 27/146				
H 0 4 N 1/028	Z	8721-5C	H 0 1 L 27/ 14	C
		7210-4M		

審査請求 有 請求項の数4(全 5 頁)

(21)出願番号 特願平4-319555

(22)出願日 平成4年(1992)11月30日

(71)出願人 000004237

日本電気株式会社

東京都港区芝五丁目7番1号

(72)発明者 梶原 勇次

東京都港区芝五丁目7番1号日本電気株式会社内

(74)代理人 弁理士 京本 直樹 (外2名)

(54)【発明の名称】 密着型イメージセンサおよびその製造方法

(57)【要約】

【目的】密着型イメージセンサの透光性導電膜を光電変換素子部の上に設けた透光性絶縁膜の上に設けて接地電極と直接電氣的に接続することにより構造および製造工程を簡素化する。

【構成】透光性ガラス基板1の上に配置した光電変換素子部16および接地電極2を含む表面に透光性絶縁膜7、9を形成して開口部8aを設け、この開口部8aを含む透光性絶縁膜9の表面全体に形成したITO膜10により接地電極2との間の電氣的接続を確保し、しかる後、ITO膜10の上に透光性接着剤12を介して透光性ガラス薄板11を固着する。

